

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a new intersection control beacon at the intersection of MD 4 and Briscoes Turn Road/Skinners Turn Road in Cavert County, Maryland. MD 4 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection will operate in a flashing operation. The MD 4 movements flashing yellow indication. The Briscoes Turn Road/Skinners Turn Road have a flashing red indication.

A two circuit flasher/housed in a pole mounted cabinet will be utilized at this location.

EQUIPMENT LIST

A. Equipment to be furnished by SHA and installed by the Contractor.

Item No.	Quantity	Units	Description
9012	8	EA	(Mast arm mt.) 12 in., 1-way, 1 section signal [aluminum].
9068	1	EA	2 circuit flasher.
9081	1	EA	Cabinet intersection monitor, size 6.
9089	32	SF	Flat aluminum sign - yellow.
9090	42.67	SF	Flat aluminum sign - green.
9098	4	EA	Sign hardware - 30 in. form tube.

B. Equipment to be furnished and installed by the Contractor.

Item No.	Quantity	Units	Description
1001	1	EA	Maintenance of traffic per assignment.
2001	3	CY	Test pit excavation.
5004	60	LF	24 in. permanent thermo-plastic pavement marking tape.
8001	8.55	CY	Concrete for signal foundation.
8011	8	EA	Install signal head (any type).
8020	1	EA	Install controller and cabinet-base mount.
8027	165	LF	3 in. [Schedule 80] PVC electrical conduit - trenched.
8029	75	LF	3 in. [Schedule 80] PVC electrical conduit - bored.
8030	25	LF	4 in. [Schedule 80] PVC electrical conduit - trenched.
8032	215	LF	4 in. [Schedule 80] PVC electrical conduit - bored.
8033	4	EA	Electrical handhole.
8034	4	LF	Ground rod (3/4 in. x 10 ft. length).
8044	120	LF	Electrical cable-5 conductor (No. 14 A.W.G.).
8045	675	LF	Electrical cable-7 conductor (No. 14 A.W.G.).
8046	350	LF	Electrical cable-2 conductor (12 A.W.G.).
8047	725	LF	Electrical cable-1 conductor No. 8 A.W.G.-THHN/THWN.
8048	200	LF	Stranded bare copper ground wire (No.6 A.W.G.).
8049	725	EA	Electrical cable-1 conductor (No. 4 A.W.G.)-THHN/THWN.
8051	38	LF	Wood sign supports 4 in. x 6 in.
8052	32	SF	Install ground mount sign.
8053	42.67	SF	Install overhead sign.
8055	2	EA	250 watt HPS luminaire with photocell.
8056	2	EA	Lighting bracket arm for traffic signal structure.
8066	1	EA	Control and distribution equipment (120/240, 1 phase, 3 wire).
8077	1	EA	Mast arm pole and 50 ft. mast arm.
8082	1	EA	Mast arm pole and twin (50 ft./70 ft.) mast arms.

CONTACT LIST

The contact persons for District #5 are as follows:

Mr. Paul Armstrong  
District Engineer  
410-841-5450

Mr. Larry Elliott  
Assistant District Engineer - Traffic  
410-321-2781

Mr. Jahn Mays  
Assistant District Engineer - Utility  
410-841-54500

Mr. Charles George  
Assistant District Engineer - Maintenance  
410-821-5450

Mr. Richard L. Daff  
Chief, Traffic Operations Division  
410-787-7630

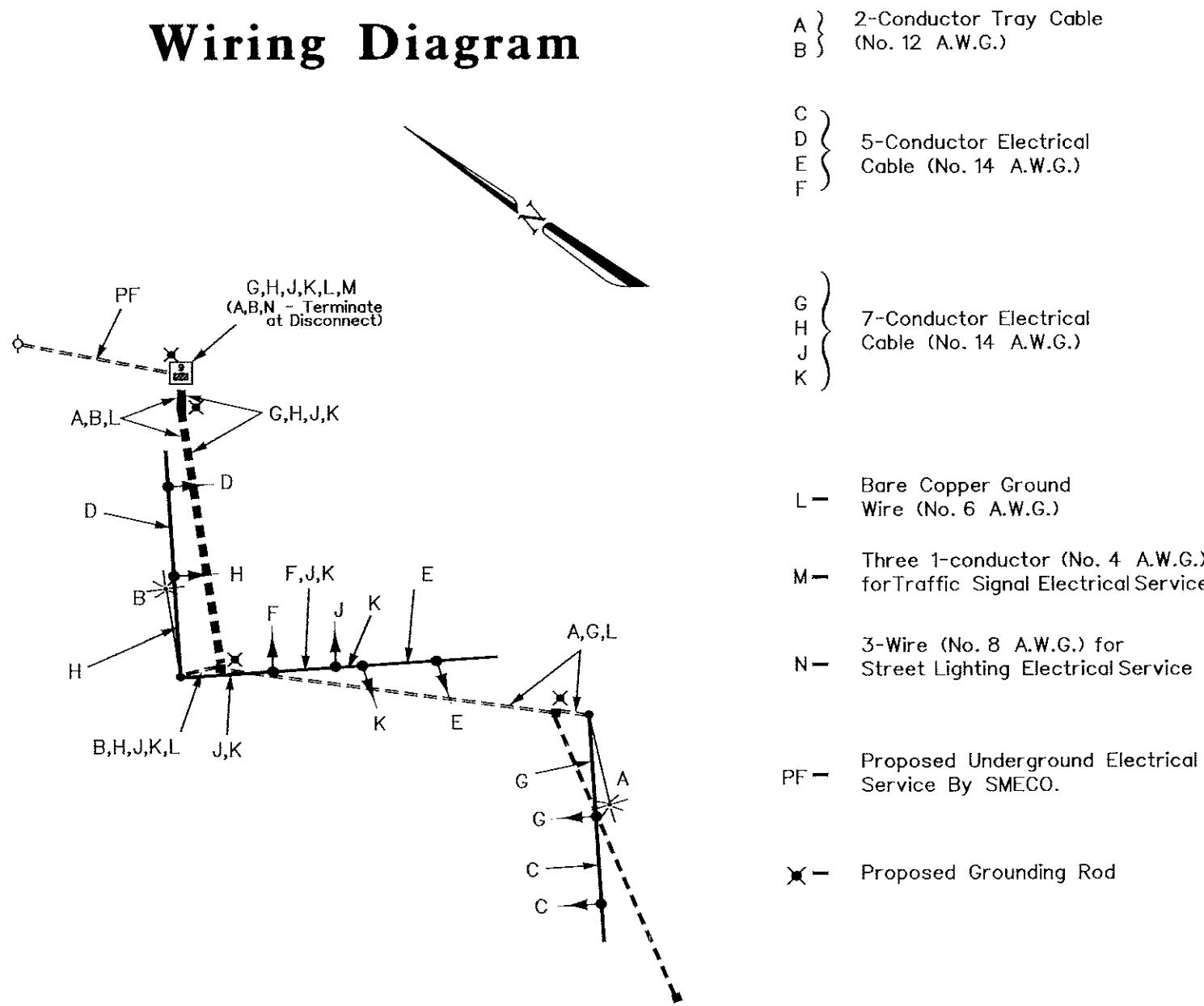
The Power Company Representative is:  
SMECO  
Mr. Robert Trout  
P.O. Box 37  
Prince Frederick, Maryland 20678-9501  
410-535-440

Phase Chart

1	2	3	4	5	6	7	8
Y	Y	Y	Y	R	R	R	R

Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↕ ↕ ↕ ↕
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Wiring Diagram



MDOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(General Information)

MD 4 @ Briscoes Turn Road. / Skinners  
Turn Road

DATE: May 7, 1999 LOG MILE • 04000430.11

DRAWN BY: F. Hoeckel	F.A.P. NO. N/A	PLAN SHEET NO.: 3898-GI	SHEET NO. 2 of 2
CHK. BY:	S.H.A. NO. CA172A54/B54		
SCALE: N/A	COUNTY: Calvert		